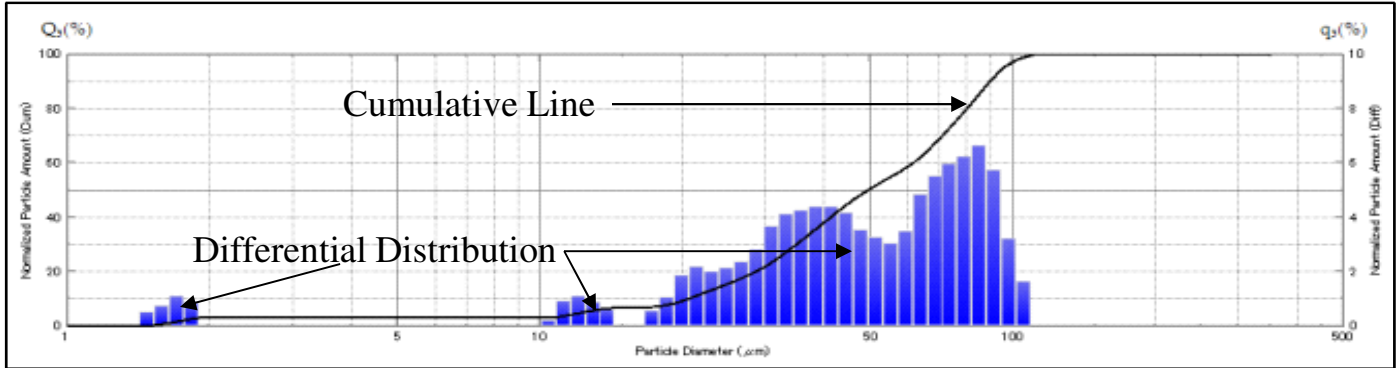


Particle Size Analysis

File Name		Meas Date	
Sample ID	Sample No.		
Comment			

Median D	49.227	Mean V	42.888
Modal D	88.370	Std Dev	0.347

10 %D(μm)	10 %D(μm)	75 %D(μm)	0 %D(μm)	0 %D(μm)	0 %D(μm)	0 %D(μm)	0 %D(μm)	0 %D(μm)
20.322	20.322	74.978	0.000	0.000	0.000	0.000	0.000	0.000



	Diam	Cum%	Diff%		Diam	Cum%	Diff%		Diam	Cum%	Diff%		Diam	Cum%	Diff%
	x(μm)	Q3(%)	q3(%)		x(μm)	Q3(%)	q3(%)		x(μm)	Q3(%)	q3(%)		x(μm)	Q3(%)	q3(%)
1	350.000	100.000	0.000	27	53.220	53.662	3.276	53	8.092	3.223	0.000	79	1.231	0.000	0.000
2	325.542	100.000	0.000	28	49.501	50.386	3.528	54	7.527	3.223	0.000	80	1.145	0.000	0.000
3	302.793	100.000	0.000	29	46.042	46.859	4.150	55	7.001	3.223	0.000	81	1.065	0.000	0.000
4	281.633	100.000	0.000	30	42.824	42.709	4.380	56	6.512	3.223	0.000	82	0.990	0.000	0.000
5	261.953	100.000	0.000	31	39.832	38.329	4.371	57	6.057	3.223	0.000	83	0.921	0.000	0.000
6	243.647	100.000	0.000	32	37.048	33.958	4.275	58	5.633	3.223	0.000	84	0.857	0.000	0.000
7	226.621	100.000	0.000	33	34.459	29.683	4.100	59	5.240	3.223	0.000	85	0.797	0.000	0.000
8	210.785	100.000	0.000	34	32.051	25.583	3.666	60	4.874	3.223	0.000	86	0.741	0.000	0.000
9	196.055	100.000	0.000	35	29.812	21.917	2.814	61	4.533	3.223	0.000	87	0.689	0.000	0.000
10	182.355	100.000	0.000	36	27.728	19.103	2.363	62	4.216	3.223	0.000	88	0.641	0.000	0.000
11	169.611	100.000	0.000	37	25.791	16.740	2.149	63	3.922	3.223	0.000	89	0.596	0.000	0.000
12	157.759	100.000	0.000	38	23.988	14.591	2.004	64	3.648	3.223	0.000	90	0.555	0.000	0.000
13	146.735	100.000	0.000	39	22.312	12.588	2.165	65	3.393	3.223	0.000	91	0.516	0.000	0.000
14	136.481	100.000	0.000	40	20.753	10.422	1.848	66	3.156	3.223	0.000	92	0.480	0.000	0.000
15	126.943	100.000	0.000	41	19.303	8.574	1.060	67	2.935	3.223	0.000	93	0.446	0.000	0.000
16	118.073	100.000	0.000	42	17.954	7.514	0.558	68	2.730	3.223	0.000	94	0.415	0.000	0.000
17	109.822	100.000	1.664	43	16.699	6.956	0.008	69	2.539	3.223	0.000	95	0.386	0.000	0.000
18	102.147	98.336	3.213	44	15.532	6.947	0.000	70	2.362	3.223	0.000	96	0.359	0.000	0.000
19	95.009	95.123	5.737	45	14.447	6.947	0.607	71	2.197	3.223	0.000	97	0.334	0.000	0.000
20	88.370	89.386	6.651	46	13.437	6.341	0.871	72	2.043	3.223	0.000	98	0.311	0.000	0.000
21	82.194	82.735	6.224	47	12.498	5.470	1.107	73	1.900	3.223	0.866	99	0.289	0.000	0.000
22	76.451	76.511	5.971	48	11.625	4.362	0.939	74	1.768	2.357	1.082	100	0.269	0.000	0.000
23	71.108	70.540	5.535	49	10.813	3.423	0.200	75	1.644	1.276	0.763	101	0.250	0.000	0.000
24	66.139	65.005	4.825	50	10.057	3.223	0.000	76	1.529	0.513	0.513				
25	61.517	60.180	3.481	51	9.354	3.223	0.000	77	1.422	0.000	0.000				
26	57.218	56.699	3.037	52	8.700	3.223	0.000	78	1.323	0.000	0.000				

Solvent: Isobutyl Alcohol

Median : The size of particle where the cumulative line crosses the 50th percentile.
 Modal :The size of particle that is most often seen.
 Mean Value : The average size of the particles.
 Std Dev (Standard Deviation) : The amount of variance, in microns, between each trial.
 Cum Q3 (%) = Cumulative % : The percent of particles below that micron size.
 Diff q3 (%) = Differential Distribution : The percent of particles at that micron size.



Customer: _____ Date: _____
Lab Report: _____ By: _____

Dust Analysis Report

Type of Dust: Dust Sample

Application: TBD

Place of Sampling: Dust Sample

Form of Dust: Fine Reddish-brown Dust with Agglomerations

Bulk Density: 0.183 g/cm³

pH-value (of watery solution): 4.8

Tendency to Agglomerate: Weak

Electrostatic Chargeability:

Rod: Weak

Flask: Weak

Comments: This dust is non-abrasive, has a weak tendency to agglomerate, and has an average particle size of 42.888 microns.

Microscopic Photograph of Dust

